UNITED STATES LAY SE QUADRANGLE DEPARTMENT OF THE INTERIOR COLORADO-MOFFAT CO. GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) 107° 52′ 30″ 40° 37′ 30″ 4465 III NE (IRON SPRINGS) 47'30" R. 93 W. R. 92 W. 20 22 24 19 30 27 26 25 30 29 591 NOTE: Overburden isopachs and mining ratio contours are not drawn beyond dotted line because of insufficient data. 32 35 36 32 31 T. 7 N. 2 35' 10 13 17 15 14 16 18 21 22 20 19 23 19 32'30" 29 27 28 26 25 30 34 31 32 33 31 35 T. 7 N. T. 6 N (HORSE GULCH) 107° 52′ 30″ 107° 45′ Base from U.S. Geological Survey, 1969 SCALE 1:24 000 Compiled in 1979 1 MILE 2000 3000 6000 7000 FEET 1 5 C This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature. 1° 50′ 1 32 MILS UTM GRID AND 1969 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

> COAL RESOURCE OCCURRENCE MAP OF THE LAY SE QUADRANGLE, MOFFAT COUNTY, COLORADO

QUADRANGLE LOCATION

BY DAMES & MOORE 1979

\_\_\_\_\_ 200 \_\_\_\_\_ OVERBURDEN ISOPACHS - Showing thickness of overburden, in feet, from surface to top of coal bed. Dashed where vertical accuracy possibly not within 40 feet. Isopach interval 100 feet (31 m) over strippable coal and 200 feet (61 m) beyond the stripping-limit line.

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**EXPLANATION** 

PLATE 41 OF 44

DRILL HOLE - Showing thickness of over-burden, in feet, from surface to top of coal bed.

MINING-RATIO CONTOUR - Number indicates cubic yards of overburden per ton of recoverable coal by surface mining methods. Contours shown only in areas underlain by coal of Reserve Base thickness within the stripping-limit (in this curdmangle the stripping-limit (in this quadrangle, the 200-foot-overburden isopach). To convert mining ratio to cubic meters of overburden per metric ton of recoverable coal, multiply mining ratio by 0.8428.

FU[20] - Fort Union [20]

COAL BED SYMBOL AND NAME - Coal bed iden-tified by bracketed numbers is not formally named, but is numbered for identification purposes in this quadrangle only.

TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed as listed above. Short dashed where projected by present authors.

INFERRED LIMIT OF BURNED AND CLINKERED COAL - Arrow points toward area of baked and fused rock.

To convert feet to meters, multiply feet